

## Weekly report

1 Done.

1.1 Paper editing.

1) Remove Typos.

2) Add details:

- The differences between screen-space sanitization and our approach.
- Two references on the trade-off of differential privacy.
- Schemes: how to order the hierarchies; how to aggregate categorical attributes.
- Tasks: handle privacy issues with utility-awareness.
- Target users: the data owners whose data need both privacy preservation and analysis.
- Association between PER-Tree and UPD-Matrix.
- Dataset size.
- Future work: provide solutions of high dimensional data sets.

3) Modify all figures.

4) Ask Qun Wan and Haidong Chen for expert reviews. (We contact them online. Both of them have promised to help, but neither of them have complete the evaluation.)

5) Begin to organize the cover letter.

## 1.2 Discuss with Jia-Kai.

We exchange new idea about privacy:

- Graph privacy (our idea): the main contribution should be integrating solutions (maybe we can count on the design of layers).
- Explain differential privacy (his idea):
  - The process: different from Laplacian model, exponential model is hard to understand.
  - The result: for example, the stochastic effects of probability.

## 1.3 Improve my power point prepared for summer school.

## 1.4 Discussing with the lawyer, we complete the final draft of the patent.

## 1.5 Prepare for exams.